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Practitioner's Docket No. 17201-706

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Kenneth Soohoo)
Serial No.: 09/261,081) Group No.: 2672
Filed: 03/02/99) Examiner: M. Good-Johnson
For: Anti-Aliasing System and Method)
)

Commissioner for Patents
Washington, D.C. 20231

SUPPLEMENT TO INTERVIEW SUMMARY

The applicant submits the following to supplement the summary of the interview of January 4, 2001.

Claim 1 states,

1. A method of displaying a character, the method comprising:
determining a representation of a character in a bit map having a number of bits greater than a number of pixels in a region of a display in which the character is to be displayed;

based on a relative number of bits that are on in respective portions of the bit map, determining luminances for corresponding pixels; and

displaying the character in the region having the particular number of pixels, the pixels being displayed with the determined luminances.

(emphasis added)

In one embodiment of the invention claimed in this claim, there is the advantage of providing a convenient way to antialias a character. Antialiasing is not new; however, the method claimed here can serve as a new and beneficial approach to antialiasing, with advantages over some prior systems that use complex geometric calculations to perform antialiasing.


Gibson does not disclose the claimed invention. Rather, Gibson is directed to the problem of displaying characters that have already been antialiased. *See* col. 4, lines 50-56. For example, Gibson does not show, based on a relative number of bits that are on in respective portions of the bit map, determining luminances for corresponding pixels.” Rather, Gibson shows, for the purpose of displaying a pixel of an already antialiased representation and for which luminance has already been determined, a way to encode the color of the already converted pixel and to transmit this encoded color of the pixel to the raster. *See* col. 3, lines 50-67, col. 4, line 1. Gibson’s method has advantages in efficient transmission of the corresponding data.

For example, Figure 2B of Gibson shows an already antialiased character on which Gibson’s invention may operate. Gibson explains how this character is displayed. Gibson does not determine luminances for individual pixels based on the relative number of bits that are on in respective portions of the bitmap here, nor is such a technique disclosed elsewhere in Gibson.

Consequently, Gibson fails to teach the current invention. Further, since Gibson is directed to a different problem than claim 1, there is no motivation in Gibson to arrive at the invention of claim 1.

Respectfully submitted,

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Attorney Docket Number

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ENCLOSURES (check all that apply)

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January 8, 2001

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